

MODELS: Cessna C-34 (Army UC-77B), 4 PCL-SM

T.C. NUMBER: ATC 573

Engine	Warner Super Scarab Series 40, 50 or 50A
Placard limits	Maximum, except take-off -- in. Hg., 2050 rpm (145 hp) Take-off (one minute) -- in. Hg., 2050 rpm (145 hp)
Propeller	Maximum permissible diameter, Landplane 90 in.
Placard speeds	Landplane: Level flight or climb - 167 mph True Ind. Glide or dive - 215 mph True Ind. Flaps extended - 108 mph True Ind. Seaplane: Level flight or climb - 146 mph True Ind. Glide or dive - 195 mph True Ind. Flaps extended - 108 mph True Ind.
Fuel	35 gallons (2 tanks, 1 in each wing at 17-1/2 gallons) (+35)
Oil	3.5 gallons (-18)
No. passengers	3 front (+4), rear (+39)
Baggage	48 lbs. (+54)
Weights	Empty - Use actual (Seaplane approximately 256 lbs. increase over landplane including different type propellers.) Standard Landplane - 2250 lbs. Seaplane - 2500 lbs.
C.G. limits	Landplane (+14.3) and (+22.1) Seaplane (+14.7) and (+23.0)
Spec. basis	Approved Type Certificate No. 573
Serial Nos.	254, 255, 300 and up manufactured prior to 9/30/39 and all AAF numbers eligible. Approval expired as of 9/30/39.

EQUIPMENT: (Datum is wing leading edge at fuselage) (\* Means net increase)

Class I:

A. Landplane

101. Engine ring cowl (NACA type with baffles)	24 lbs.	
102. Battery (Exide 6AC-7-1) - aft of baggage compartment	17 lbs.	(See NOTE 1)
103. Battery box	7 lbs.	(See NOTE 1)
104. Starter (Eclipse Y-150)	23 lbs.	(See NOTE 1)
105. 21 in. streamline wheels	60 lbs.	
106. 8 in. streamline tail wheel		
107. Propeller - fixed pitch wood	27 lbs.	(-53)

E. Seaplane: Items 101, 102, 103 and 104 PLUS

151. Special seaplane fin under fuselage	6 lbs.	(+213)
152. Edo 44-2425 floats with water rudder	329 lbs.	(+26)
153. Propeller - fixed pitch metal (Curtiss 55511)	47 lbs.	(-53)

Class II:

A. Landplane

200. Miscellaneous items as noted in approved weight and balance report.		
201. Stretcher installation		
202. Propeller - Adj. metal, Hamilton Standard hub 7056, blades 19B-1/2-12 or -13. Diameter 90" maximum, 88" minimum.	63 lbs.	(-53)

E. Seaplane: Items 200, 302, 303 and 305

Class III:

A. Landplane

301. Radio (under pilot's seat)	22 lbs.	(+7)
302. Flares (Wheel flares installed, fire extinguisher 7 lbs. must be located at firewall - otherwise in baggage compartment)	Maximum 18 lbs.	(+66)
303. Landing lights	7 lbs.	(+37)
304. 22x10-4 wheels (Goodyear 4MBA)	9 lbs.*	(+1)
305. Extra fuel tank in cabin attached to rear of front spar (a) 10 gallon capacity (b) 17-1/2 gallon capacity	7 lbs. or 12 lbs.	
306. 6.50-10 wheels (Warner M-3270)	Net decrease 3 lbs.	
307. Generator (a) Eclipse (b) Bosch (c) Hodges H-12-V (1) Engine-driven	16 lbs. 11 lbs. 14 lbs.	(-27)

	(2) Wind-driven	10 lbs.	(-3)
308.	Engine shielding	3 lbs.	(-39)
309.	Cabin heater	3 lbs.	
310.	Miscellaneous instruments	Maximum 8 lbs.	(-12)
311.	6.50-10 wheels (Detroit-Mich)	Net decrease 5 lbs.	
312.	Propeller - fixed pitch metal (Curtiss 55511)	47 lbs.	(-53)
313.	Electric flap control	10 lbs.*	
314.	Emergency exit	5 lbs.	(+20)
315.	Pilot hatch	3 lbs.	(-2)
316.	Camera apertures	3 lbs.	(-3)
317.	Skis	Use actual weight	
	(a) Wien Alaska W-2500		
	(b) Wien Alaska W-2500-A		
	(c) Wien Alaska GS-5		
	(d) Federal SC-3		
B.	Seaplane: Items 301, 307, 308, 309, 310, (312 is standard), 313, 314, 315, 316		

NOTE 1. Items 102, 103 and 104 may be removed simultaneously without C.G. check.

NOTE 2. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (3/8/38)

(a) Canada

- Landplane
- Seaplane
- Skiplane - not eligible. However, structure complies with Canadian requirements for ski gear with ski height of 8.5 in. or less.

(b) All other countries.